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DATE June 1965

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE DIVISION
PHOTOGRAPHIC INTELLIGENCE REPORT

MOSCOW AIR DEFENSE EARLY WARNING RADAR SITES

CIA/PIR-1016/65

Declass Review by NIMA/DOD

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GROUP 1
Excluded from automatic downgrading and declassification

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CIA, PHOTOGRAPHIC INTELLIGENCE DIVISION

CIA/PIR-1016/65

MOSCOW AIR DEFENSE EARLY WARNING RADAR SITES

Moscow Air Defense Radar Sites are located in two concentric rings around Moscow and comprise a total of 14 Early Warning Radar Installations. The Inner Ring, approximately 14 nm from the center of the city consists of four early warning radar sites.

Site	Figures	Coordinates
Chernoye	1	55-45-45N 38-04-50E
Dolgoprudnyy (Kotovo)	2	55-57-10N 37-31-50E
Myachkovo	3	55-32-10N 37-42-40E
Odintsovo	4	55-39-30E 37-16-02E

The Outer Ring, approximately 200 nm from Moscow, consists of ten early warning radar sites.

Site	Figures	Coordinates
Andreapol (Toropets)	5	56-40-46N 32-13-00E
Borovichi	6	58-26-20N 33-55-20E
Bryansk	7	53-13-20N 34-14-40E
Buy (Kostroma)	8	58-28-08N 41-57-02E
Cherepovets	9	59-18-45N 37-58-00E
Livny	10	52-36-11N 37-19-04E
Michurinsk	11	52-55-35N 40-38-40E
Pravdinsk (Gorkiy)	12	56-38-00N 43-45-40E
Smolensk	13	54-49-11N 31-49-14E
Temikov	14	54-31-00N 42-48-20E

Inner Ring Sites

Detailed photographic analysis of the Inner Ring Sites failed to determine positive identification of radar equipment at these installations. The previously reported Radar Order of Battle at these sites could neither be confirmed nor denied due primarily to the small scale of KH-4 photography. No communication facilities were observed at any of these Inner Ring Sites.

Outer Ring Sites

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Detailed photographic analysis of the Outer Ring Sites revealed the presence of a TALL KING Radar at five installations. A TALL KING Radar is located at Bryansk, Michurinsk and Pravdinsk (Gorkiy) Sites and a TALL KING signature is evident at Andreapol (Toropets) and Cherepovets Sites. At the latter two sites the TALL KING Antenna was not actually observed, due to image

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limitations. Additional radar equipment could not be identified at the Outer Ring Sites on KH-4 photography.

A TALL KING Radar was reported in the NORAD Weekly Intelligence Report of 23 April 1965, operating at a site 2 kilometers south of the Moscow-Brest Highway, 398 kilometers from Moscow, the location of Smolensk Early Warning Radar Site. However, the existence of this TALL KING could not be confirmed.

The Bryansk Early Warning Radar Site was covered on good quality KH-7 photography. Identified at this site, in addition to the noted TALL KING Radar, were 2 probable GAGE-Type Radars, 2 probable PATTY-CAKE Radars, 2 probable FISH NET IFF, 2 probable KNIFE REST Radars, 1 probable BAR LOCK Radar and 1 probable TOKEN Radar. Communication facilities identified include 2 Dipole Antennas, 1 Rhombic Antenna and a probable mobile high-frequency communications facility with 4 probable electronic vans.

Communication facilities observed at the Temnikov Early Warning Radar Site consist of 1 Rhombic Antenna and 2 probable Dipole Antennas. No apparent changes appear to have occurred at this site since previously reported in CIA-PIC/R-4/60.

Positive identification of communication facilities could not be made at the remaining Outer Ring Sites due to small scale and vegetation, however, the existence of similar communication facilities can not be negated.

REFERENCES

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REQUIREMENT

C-SI5-82,395

CIA/PID PROJECT

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CHERNOYE EW RADAR SITE
55 45 45 N - 38 04 50 E

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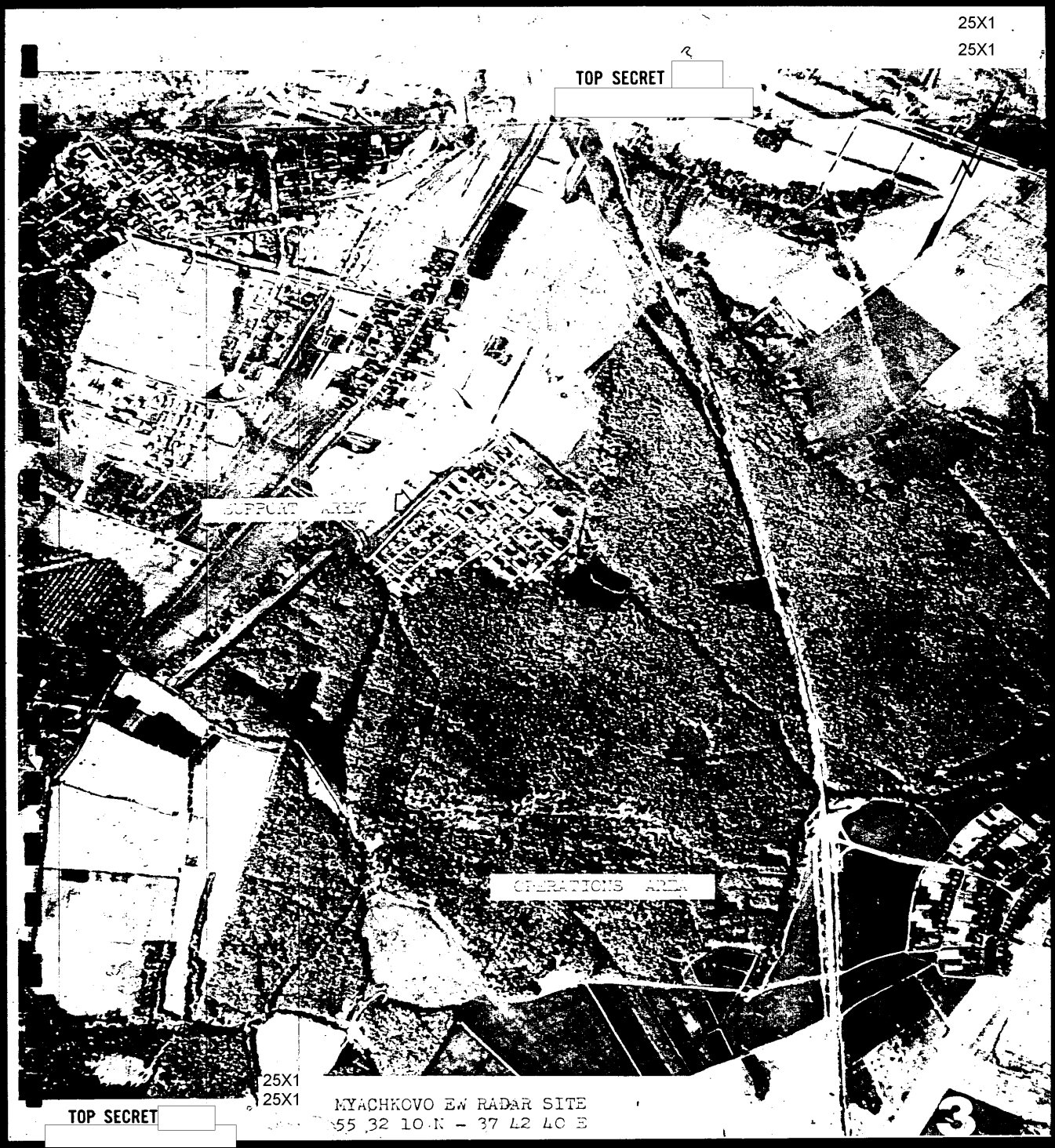

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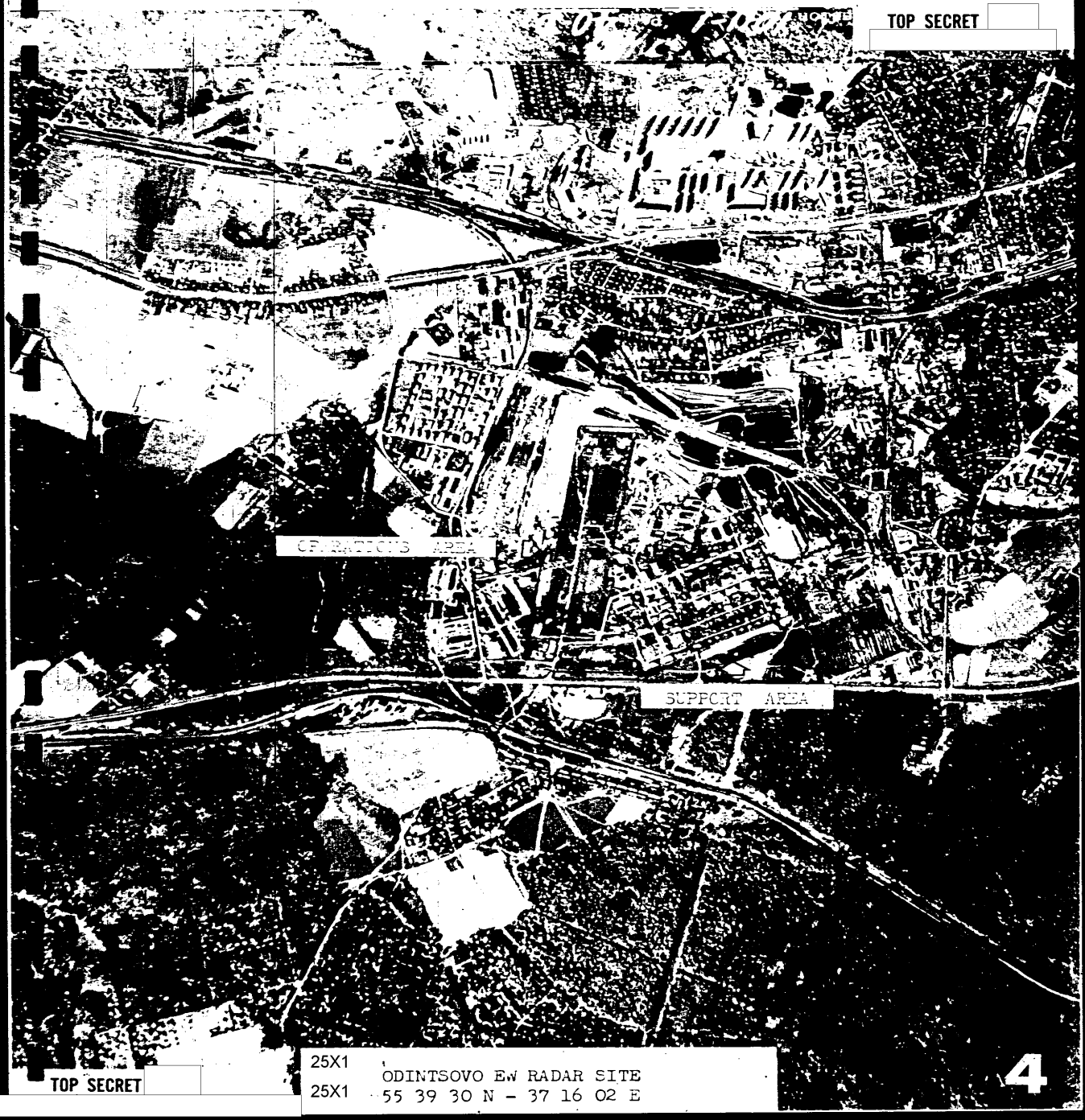

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ODINTSOVO EW RADAR SITE
55 39 30 N - 37 16 02 E

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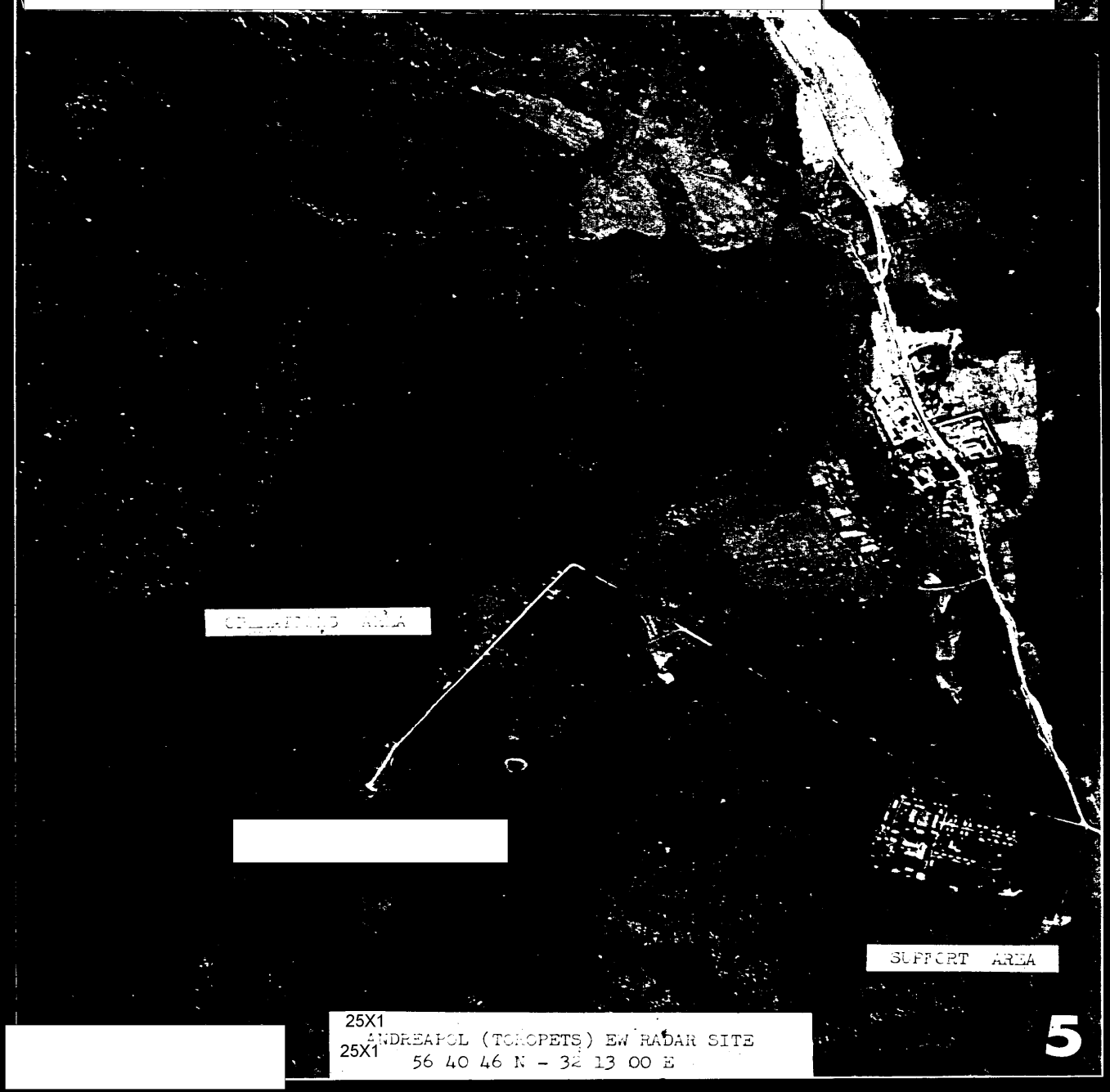

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25X1 ANDREAPOL (TOROPETS) EW RADAR SITE
56 40 46 N - 32 13 00 E

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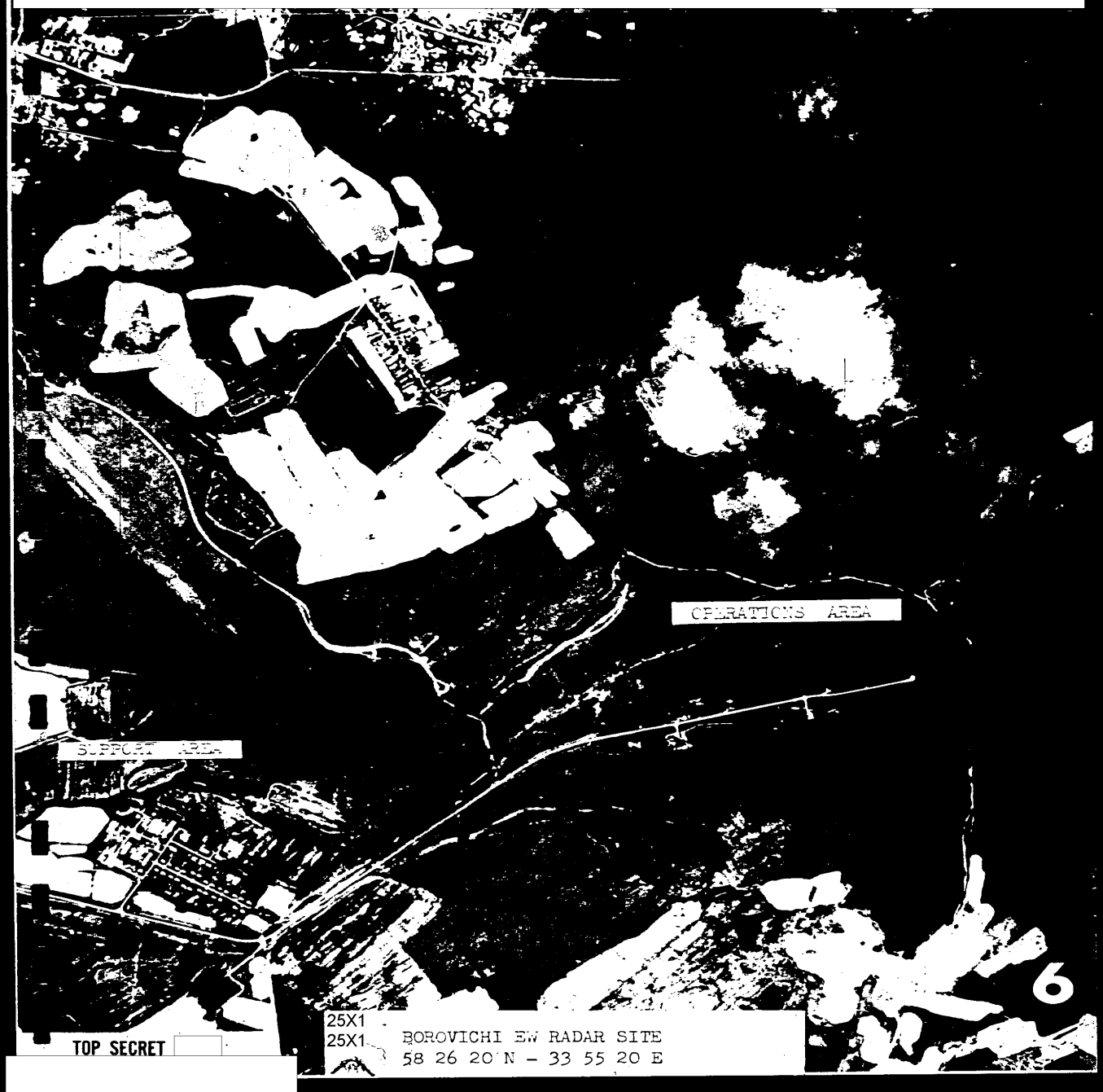

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25X1 BOROVICHI EW RADAR SITE
58 26 20 N – 33 55 20 E

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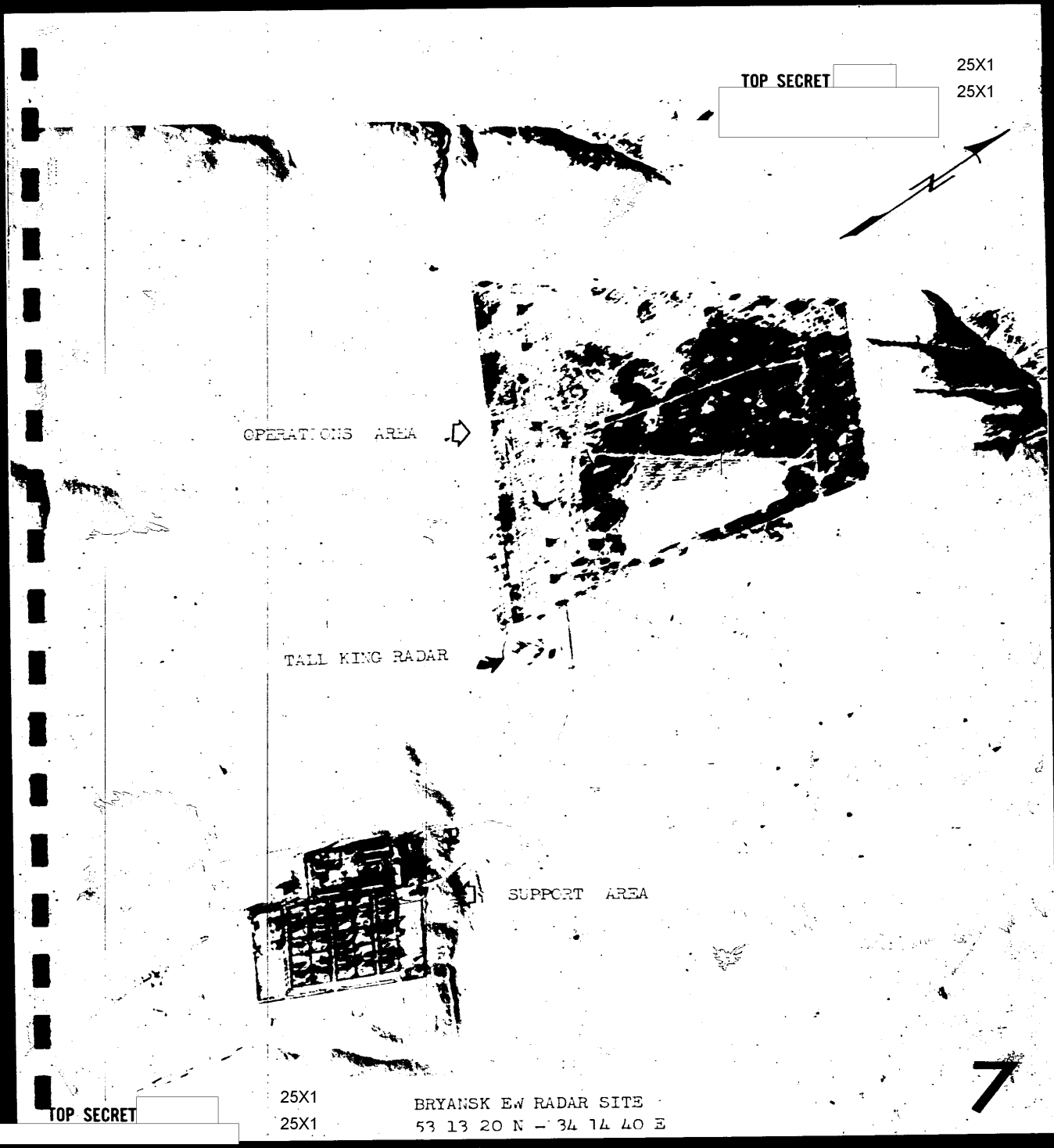

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BRYANSK EW RADAR SITE
53 13 20 N - 34 14 40 E

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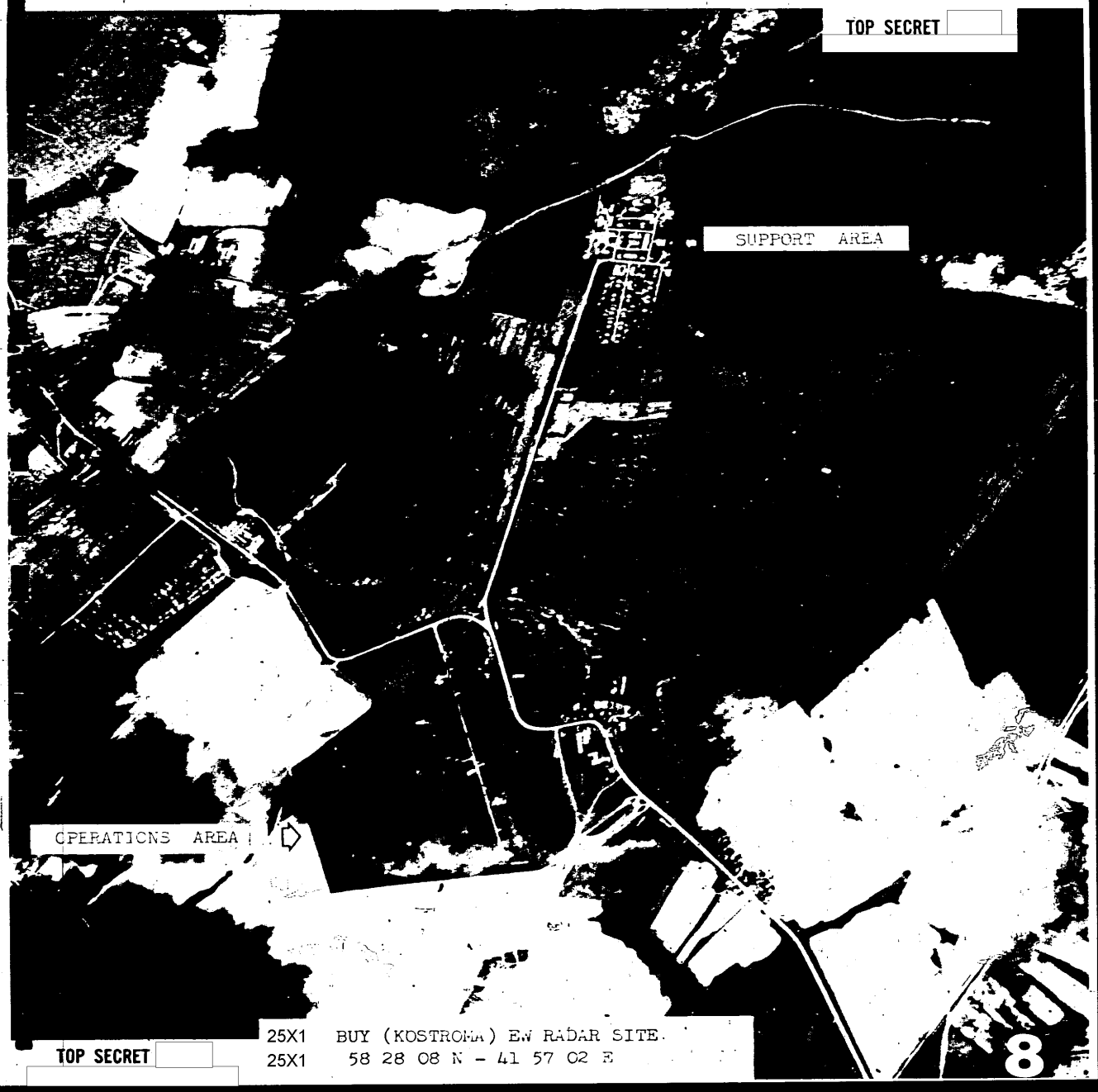

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25X1 LIVNY EW RADAR SITE
52 36 11 N - 37 19 04 E

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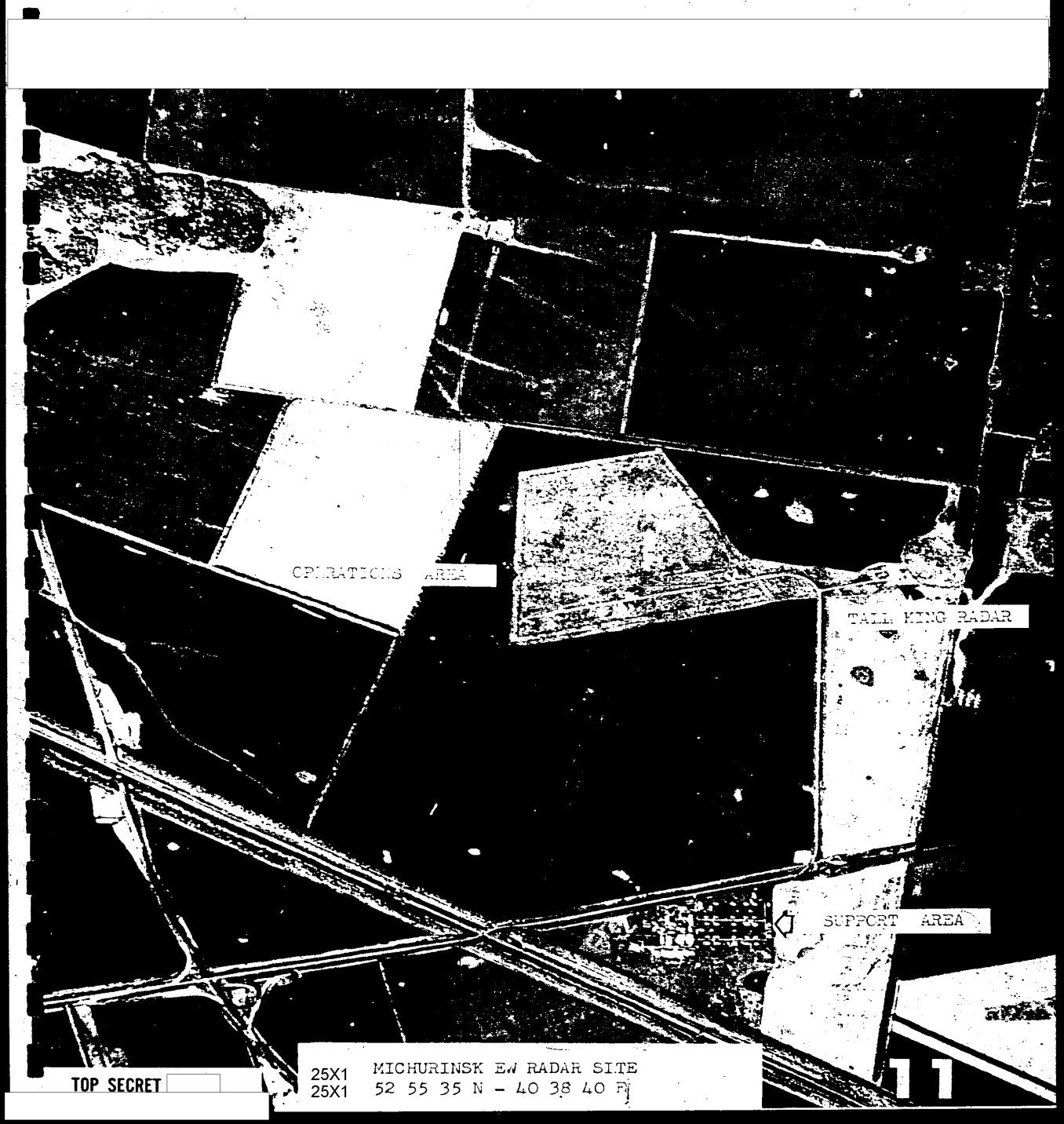

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52 55 35 N - 40 38 40 E

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PRAVDINSK (GORKIY) E.W RADAR SITE

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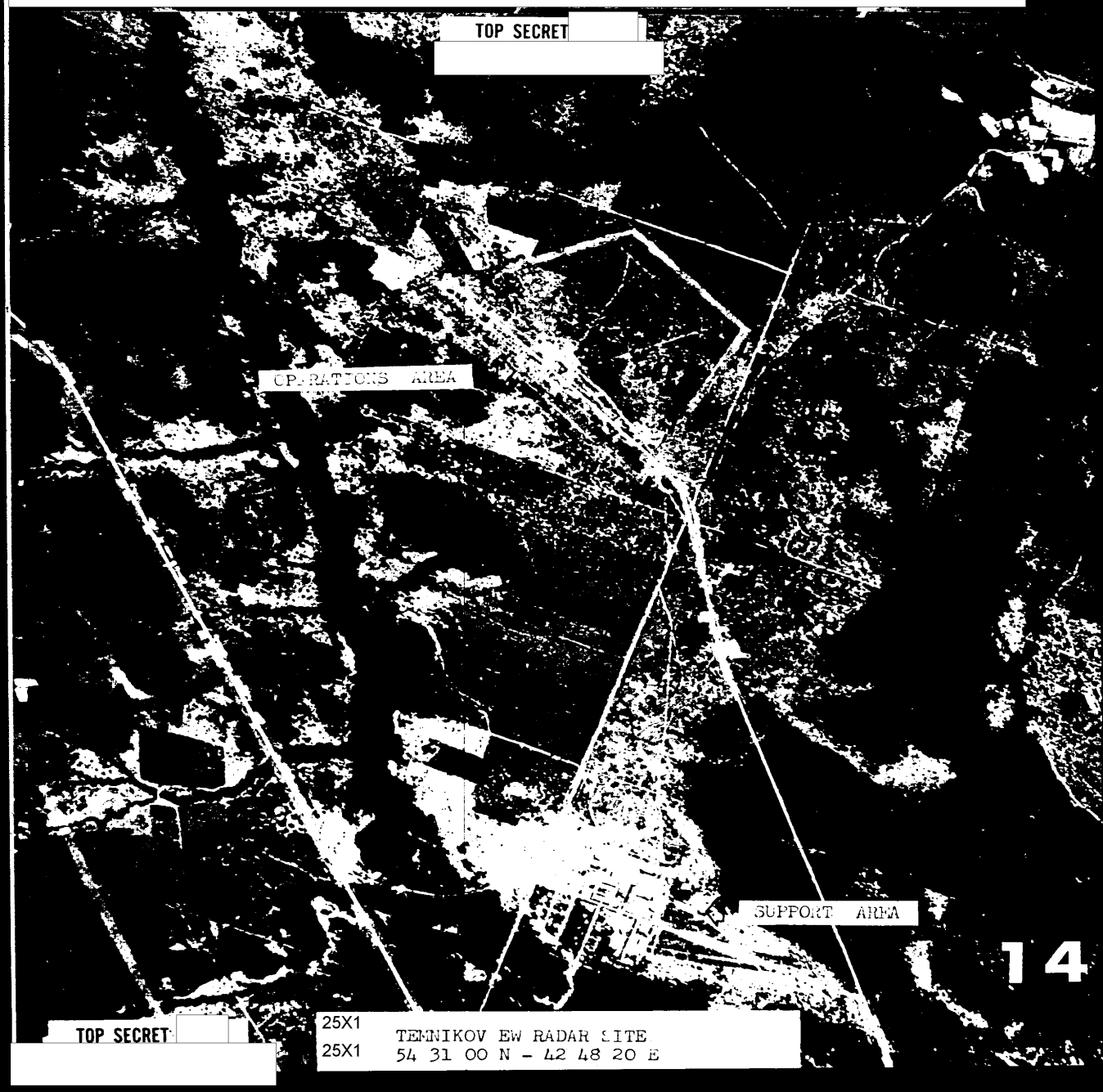

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